IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Michelle M. Hanna

Appl. No.: To be assigned (National Stage of

PCT/US2004/013031

Int'l Appl. Filing Date: April 29, 2004

For: Molecular Detection Systems Utilizing Reiterative Oligonucleotide Synthesis

23, 2001

Confirmation No.: To be assigned

Art Unit: To be assigned

Examiner: To be assigned

Atty. Docket: 2072.0010009/MAC/SJE

Information Disclosure Statement

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Copies of the cited documents were submitted to the Office in Information Disclosure Statements that comply with 37 C.F.R. § 1.98(a)-(c) in Application No. 10/425,037, filed April 29, 2004, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicant has listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicant reserves the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

JC05 Rec'd PCT/PTO 03 OCT 2005 10/551775

- 2 -

Michelle M. Hanna Appl. No. 10/488,971

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Information Disclosure Statement is being filed before the mailing of a first Office Action on the merits. No statement or fee is required. 37 C.F.R. § 1.97(b).

It is respectfully requested that the Examiner initial and return a copy of the enclosed Form PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Simon J. Elliott

Agent for Applicant Registration No. 54,083

1100 New York Avenue, N.W. Washington, D.C. 20005-3934

(202) 371-2600

Date: Octobe 3

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	F	ORM F	PTO-1449		2072.0010009/M			APPLICATION NO. To be assigned (National Phase of PCT/US2004/013031)		
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				U.S. PA	TENT DOCUME	NTS				
EXAMINER INITIAL			UMENT IBER	DATE	NAME		CLASS	SUB-CLASS	FILING DATE	
	AA1	3,99	6,345	12/07/1976	Ullman et al.				06/30/1975	
	AB1	4,35	51,760	09/28/1982	Khanna et al.				09/07/1979	
	AC1	4,58	2,788	04/15/1986	Erlich				01/07/1983	
	AD1	4,68	3,194	07/28/1987	Saiki et al.				03/28/1985	
	AE1	4,739,044		04/19/1988	Stabinsky				06/13/1985	
	AF1	4,75	7,141	07/12/1988	Fung et al.				08/26/1985	
	AG1	4,78	6,600	11/22/1988	Kramer et al.				05/25/1984	
	AH1	5,13	0,238	07/14/1992	Malek et al.				08/23/1989	
	Al1	5,16	9,766	12/08/1992	Schuster et al.				06/14/1991	
	AJ1	5,50	8,178	04/16/1996	Rose et al.	4 .			02/09/1994	
	AK1	5,59	5,891	01/21/1997	Rose et al.				07/19/1990	
				FOREIGN	PATENT DOCU	MENTS				
EXAMINER INITIAL		1	UMENT IBER	DATE	COUNTRY		CLASS	SUB-CLASS	TRANSLATION	
	AL1	wo	89/01050	02/09/1989	WIPO		İ		Yes No	
	AM1	wo	03/038042 A2	05/08/2003	WIPO	5 J. 1			Yes No	
	AN1								Yes No	
	AO1								Yes No	
	AP1	j							Yes No	
			OTHER (In	cluding Auth	or, Title, Date, F	Pertinent Pa	ages, et	c.)		
	AR	1			, "Site-specific fund edron Lett. 31:1543				or non-	
	AS	1	Chamberlin, N Academic Pre	И.J., "Bacterial ess, New York,	DNA-Dependent R N.Y. pp. 61, 84-86	RNA Polymer (1982)	ases," in	The Enzymes, Bo	oyer, P.D., ed.,	
	АТ	1	Costas, C., et photocrosslin	al., "RNA-proteking ATP analo	ein crosslinking to g," <i>Nucleic Acids F</i>	AMP residue Res. 28:1849	s at interi -1858, Ox	nal positions in RI dord University P	NA with a new ress (May 2000)	
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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 2072.0010009/MAC/SJE

FIRST NAMED INVENTOR Michelle M. Hanna

JE APPLICATION NO.
To be assigned (Na

To be assigned (National Phase of PCT/US2004/0:13091)

10/551775

INT'L APPL. FILING DATE: ART UNIT
April 29, 2004 ART UNIT
To be assigned

EXAMINER	T	I DOC	UMENT	U.S. F	PATENT DOCUMENTS			
INITIAL		NUM		DATE	NAME	CLASS	SUB-CLASS	FILING DATE or § 371(c) Date
	AA2	5,648	3,211	07/15/1997	Fraiser et al.			04/18/1984
	AB2	5,654	,142	08/05/1997	Kievits et al.			03/14/1995
	AC2	5,679	,512	10/21/1997	Laney et al.			10/20/1993
	AD2	5,683	,879	11/041997	Laney et al.			06/07/1995
	AE2	5,744	,308	04/28/1998	Guillou-Bonnici et al.			09/26/1995
	AF2	5,766	,849	06/16/1998	McDonough et al.			11/28/1994
	AG2	5,824	,517	10/20/1998	Cleuziat et al.			05/16/1997
	AH2	5,858	,801	01/12/1999	Brizzolara			03/13/1997
	Al2	6,008	,334	12/28/1999	Hanna '			07/23/1997
	AJ2	6,107	,037	08/22/2000	Sousa et al.			06/19/1998
	AK2	6,107	,039	08/22/2000	Hanna			10/02/1998
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EXAMINER INITIAL			CUMENT MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL2	1						Yes No
	AM2							Yes
	AN2							Yes
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	AP2		OTHER	/Including Au	 thor, Title, Date, Pertine	nt Bagas, etc		No.
	AR	2	Daube, S.	S., and von Hipp Bubble Duplexe	pel, P.H., "Functional Transc es," <i>Science 258</i> :1320-1324	cription Elongatio	n Complexes fro	om Synthetic dvancement of
	AS	2	Dunn, J.J. Locations	, and Studier, F. of T7 Genetic El	W., "Complete Nucleotide S ements," <i>J. Mol. Biol. 166</i> :4	Sequence of Bact 77-535, Academ	teriophage T7 D ic Press, Inc. (1	NA and the 983)
-	AT	2	Gait, M.J., Oxford Un	et al., "Oligoribo iversity Press, C	onucleotide synthesis," in <i>Ol</i> Oxford, Great Britain, pp. 25-	ligonucleotides a 31 (1992)	nd Analogues, E	Eckstein, F., ed.,
EXAMINER		1	L			DATE	CONSIDERED	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 2072.0010009/MAC/SJE

APPLICATION NO.

To be assigned (National Phase of

FIRST NAMED INVENTOR Michelle M. Hanna

INT'L APPL. FILING DATE: April 29, 2004 ART UNIT To be assigned

			U.S. P	ATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	
	AA3	5,399,491	03/21/1995	Kacian et al.			03/19/1992
	AB3	5,888,819	03/30/1999	Goelet et al.			03/05/1991
	AC3	5,554,516	09/10/1996	Kacian et al.			12/02/1993
	AD3	5,571,669	11/05/1996	Lu et al.			01/14/1993
	AE3	6,251,594 B1	06/26/2001	Gonzalgo et al.			06/09/1998
	AF3	2003/0099950 A1	05/29/2003	Hanna, M.M.			10/30/2001
	AG3	5,503,979	04/02/1996	Kramer et al.			08/26/1994
	АН3	6,114,519	09/05/2000	Cole et al.			10/15/1997
	Al3	2002/0168641	11/14/2002	Mortensen et al.	·		03/09/2001
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	AL3						Yes No
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		OTHER (I	ncluding Aut	hor, Title, Date, Pertinent	Pages, etc.)	
	AR	Gait, M.J., " practical ap	'An Introduction proach, Gait, M	to Modern Methods of DNA S J., ed., Oxford University Pre	Synthesis," in C ss, Oxford, Gr	Oligonucleotide s eat Britain, pp.1	synthesis: a -22 (1984)
	AS	Geider, K., form convei	et al., "An RNA rsion," <i>Proc. Na</i> i	transcribed from DNA at the c	origin of phage , National Aca	fd single strand demy Press (19	to replicative 78)
	AT			rmal, <i>in vitro</i> amplification of r lication," <i>Proc. Natl. Acad.</i> Sc			
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

INTL APPL. FILING DATE:
ATTY. DOCKET NO.
2072.0010009/MAC/SJE

APPLICATION NO.
To the Skipped National Phase of PCTUS 2004/Q480 JL

FIRST NAMED INVENTOR
Michelle M. Hanna
INTL APPL. FILING DATE:
April 29, 2004

APPLICATION NO.
To the Skipped National Phase of PCTUS 2004/Q480 JL

APPL FILING DATE:
April 29, 2004

To be assigned

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	AR	4	Gupta, K.C containing	c., et al., "A ger oligonucleotide	neral method for the synthes," <i>Nucleic Acids Res. 1</i> 9	esis of 3□-sulfhydryl 9:3019-3025, Oxford	and phosphate University Press	group (1991)
	AS	4	Gurevich, \ Anal. Biocl	V.V., et al., "Pro nem. 195:207-2	eparative <i>in Vitro</i> mRNA 5 213, Academic Press, Inc	Synthesis Using SP6 . (1991)	and T7 RNA Po	lymerases,"
	АТ	4	Hanna, M.I Enzymol. 1	M., "Photoaffin <i>'80</i> :383-409, A	ity Cross-Linking Methods cademic Press, Inc. (198	s for Studying RNA-P 9)	rotein Interactio	ns," <i>Methods</i>
EXAMINER		11				DATE	CONSIDERED	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

JC05 Rec'd PCT/PTO 03.067 2069 APPLICATION NO.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 2072.0010009/MAC/SJE

FIRST NAMED INVENTOR

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Michelle M. Hanna INT'L APPL. FILING DATE:

April 29, 2004

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 2072.0010009/MAC/SJE

APPLICATION NO.

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FIRST NAMED INVENTOR

Michelle M. Hanna

INT'L APPL. FILING DATE: April 29, 2004 ART UNIT
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	АТ	6 Ma	artin, C.T :3966-39	., et al., "Proc 974, Americar	essivity in Early Stage n Chemical Society (19	s of Transcription	on by T7	RNA Polymeras	e," Biochemistr
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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 2072.0010009/MAC/SJE

To be as igned (National Phases)
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FIRST NAMED INVENTOR

Michelle M. Hanna

INT'L APPL. FILING DATE: April 29, 2004 ART UNIT
To be assigned

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			OTHER (Including Autl	nor, Title, Date, Pert	inent Pages, e	tc.)	
	AR	7	Deoxyuridii	., and Hanna, M. ne Phosphoramic Chemical Society	M., "Synthesis and Cha dite for Site-Specific Mo (1996)	aracterization of a	a New 5-Thiol-Prot A," <i>Bioconjugate Cl</i>	ected nem. 7:401-412,
	AS	Z	Milligan, J.I Enzymol. 1	⁼ ., and Uhlenbec 80:51-62, Acade	k, O.C., "Synthesis of S mic Press, Inc. (1989)	Small RNAs Usin	g T7 RNA Polymei	ase," Methods
	АТ	7	Montemagi motors," Na	no, C., and Bach anotechnology 10	and, G., "Constructing r 0:225-231, IOP Publishi	nanomechanical ing, Ltd. (1999)	devices powered t	y biomolecular
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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 2072.0010009/MAC/SJE

APPLICATION NO.

To be Skighe Available Practice
PCTAINSE04/0/3011

FIRST NAMED INVENTOR

Michelle M. Hanna

INT'L APPL. FILING DATE: April 29, 2004 ART UNIT
To be assigned

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	AR	8	Mullis, K., e Cold Spring	t al., "Specific El Harb. Symp. Qi	nzymatic Amplification of Di uant. Biol. 51:263-273, Cold	NA In Vitr d Spring H	ro: The F Harbor L	Polymerase Ch aboratory (198	ain Reaction," 6)
	AS	<u>8</u>			ymerase Chain Reaction: W d Spring Harbor Laboratory				
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

Page 9 of 21

FORM PTO-1449

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FIRST NAMED INVENTOR

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INT'L APPL. FILING DATE: April 29, 2004 ART UNIT To be assigned

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	AR	9	Pringshei	m, P., "Fluores	scence of organic comportscience Publishers, Inc.	unds,"in Fluorescence	e and phosphore	
	AS	9			er-Directed Enzymatic An 39:487-491, American As			
	АТ	9	Oligonuci	D., and Striepe leotides and Ar 200-201 (1992	eke, S., "Oligonucleotides nalogues: A Practical App	with reporter groups roach, Eckstein, F., e	attached to the sed., Oxford Unive	5'-terminus," in ersity Press pp.
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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

		Page 10 of 21
ATTY. DOCKET NO.		APPLICATION NO.
2072.0010009/MAC/	SJE	To be essigned (National Phase of PC / S2g04/6) 3991
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Michelle M. Hanna		
INT'L APPL. FILING	DATE:	ART UNIT

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INITIAL		NUN	MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION Yes
	AL10	-	<u> </u>					No Yes
	AM10							No Yes
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	AR	<u>10</u>	Smithies, O. Polymerase N.Y., pp. 199	Chain Reaction,	on of Targeted Gene Modificat , Erlich, H.A., <i>et al.,</i> eds., Cold	ions by Polyn Spring Harbo	nerase Chain R or Laboratory P	eaction," in ress, Woodbury,
	AS	<u>10</u>	phosphoram	, <i>et al.</i> , "The syn idites; uses of 5 ersity Press (198	thesis of protected 5'-mercapt □-mercapto-oligodeoxyribonu 37)	:o-2',5'-dideox cleotides," <i>Nu</i>	yribonucleoside Icleic Acids Res	e-3'-O- s. <i>15</i> :4837-4848,
	AT	<u>10</u>	Walker, G.T. system," <i>Pro</i>	., et al., "Isothern oc. Natl. Acad. S	mal <i>in vitro</i> amplification of DN ci. USA 89:392-396, National	IA by a restric Academy Pre	tion enzyme/D i ess (1992)	NA polymerase
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April 29, 2004

To be assigned

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INFORMATION DISCLOSURE STATEMENT

ATTY, DOCKET NO.	APPLICATION NO.
2072.0010009/MAC/SJE	To be assigned (Na HE WUS 2004) 01800

FIRST NAMED INVENTOR

Michelle M. Hanna

INT'L APPL. FILING DATE: April 29, 2004 ART UNIT

Page 11 of 21

U.S. PATENT DOCUMENTS DOCUMENT **EXAMINER CLASS** SUB-CLASS FILING DATE INITIAL NUMBER DATE NAME **AA11** AB11 AC11 AD11 AE11 AF11 **AG11** AH11 Al11 AJ11 AK11 **FOREIGN PATENT DOCUMENTS EXAMINER** DOCUMENT COUNTRY CLASS SUB-CLASS TRANSLATION INITIAL NUMBER DATE Yes AL11 No Yes No AM11 Yes AN11 No Yes No AO11 Yes AP11 No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Zuckermann, R., et al., "Efficient methods for attachment of thiol specific probes to the 3'-ends of AR <u>11</u> synthetic oligodeoxyribonucleotides," Nucleic Acids Res. 15:5305-5321, Oxford University Press (1987) Daube et al., "Functional Transcription Elongation Complexes from Synthetic RNA-DNA Bubble Complexes," Science, 1992, vol. 258, pages 1320-1324 AS <u>11</u> Mancini et al.., "Constitutively Methylated CpG Dinucleotides as Mutation Hot Spots in the ΑT 11 Retinoblastoma Gene (RB1), American Journal of Human Genetics, 1997, vol. 61, pages 80-87 **EXAMINER** DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

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INFORMATION DISCLOSURE STATEMENT

and not considered. Include copy of this form with next communication to Applicant.

ATTY. DOCKET NO. 2072.0010009/MAC/SJE

To be assigned (National Phase of PC 1182904(6) 1031) 776

FIRST NAMED INVENTOR

Michelle M. Hanna

INT'L APPL. FILING DATE: April 29, 2004

ART UNIT To be assigned

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AS Antequerra, F., and Bird, A., "Number of CpG islands and genes in human Acad. Sci. USA 90:11995-11999, National Academy of Sciences (1993)							nan and mouse,)	" Proc. Natl.
	АТ			R., et al., "Freq of Sciences (19	uent Mutations in Breast 193)	Cancer," Ann. N.Y. A	Acad. Sci. 698:2	1-30, New York
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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 2072.0010009/MAC/SJE

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FIRST NAMED INVENTOR

Michelle M. Hanna

INT'L APPL. FILING DATE: April 29, 2004 ART UNIT To be assigned

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	AR	<u>13</u>	Cifone, M./	A., and Fidler, I	.J., "Increasing metasta	atic potential i	s associa	ted with increas Sci. USA 78:69	ing genetic 49-6952,
	AS	<u>13</u>	Esteller, M., et al., "Promoter Hypermethylation and BRCA1 Inactivation in Sporadic Breast and Ovarian Tumors," J. Natl. Cancer Inst. 92:564-569, Oxford University Press (April 2000). (Retrieve from LexisNexis Academic database)						
	АТ	<u>13</u>	Frommer, I residues in Sciences (individual DN	enomic sequencing prot A strands," <i>Proc. Natl. A</i>	tocol that yield Acad. Sci. US	ds a positi A 89:1827	ve display of 5- 7-1831, Nationa	methylcytosine I Academy of
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

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INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 2072.0010009/MAC/SJE APPLICATION NO.
To be assigned National Phase 5
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FIRST NAMED INVENTOR

Michelle M. Hanna

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	AR	<u>14</u>	Giusti, W.	G., and Adrianceotides," <i>PCR</i> M	o, T., "Synthesis and Cha Methods Appl. 2:223-227	aracterization of 5'-Flu , Cold Spring Harbor	orescent-dye-la Laboratory Pres	beled s (1993)
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	АТ	14	Aberrant D	NA Methylation	ctivation of the <i>CDKN2/p</i> n in All Common Human esearch (1995)	16/MTS1 Gene Is Fre Cancers," Cancer Re	equently Associa es. 55:4525-453	ated with 0, American
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INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 2072.0010009/MAC/SJE

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FIRST NAMED INVENTOR

Michelle M. Hanna

INT'L APPL. FILING DATE: April 29, 2004 ART UNIT
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	AS	<u>15</u>	Horii, A., et al., "Frequent Replication Errors at Microsatellite Loci in Tumors of Patients with Multiple Primary Cancers," <i>Cancer Res.</i> 54:3373-3375, American Association for Cancer Research (1994)							
	АТ	<u>15</u>	Issa, JP.J., human color	et al., "Methy n," Nat. Gene	vlation of the oestrogen f. 7:536-540, Nature Pu	n receptor Cp0 ublishing Co.	G island lini (1994)	ks ageing and	neoplasia in	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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ATTY. DOCKET NO. 2072.0010009/MAC/SJE APPLICATION NO.

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FIRST NAMED INVENTOR

Michelle M. Hanna

INT'L APPL. FILING DATE: April 29, 2004 ART UNIT To be assigned

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	AR	<u>16</u>	Jin, D.J., "Ar	Escherichia	coli RNA Polymerase De s," <i>J. Mol. Biol.</i> 236:72-8	efective in Transcripti	on due to its Ov	erproduction of
	AS	<u>16</u>	Langer, P.R. probes," <i>Pro</i>	, et al., "Enzy c. Natl. Acad.	matic synthesis of biotin Sci. USA 78:6633-6637	-labeled polynucleotic , National Academy o	des: Novel nucle of Sciences (198	eic acid affinity 31)
	АТ	<u>16</u>	Loeb, L.A., "I 51:3075-307	Mutator Phen 9, American	otype May Be Required Association for Cancer R	for Multistage Carcin Research (1991)	ogenesis," <i>Can</i> o	cer Res.
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

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INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 2072.0010009/MAC/SJE APPLICATION NO.

To be assigned (National)

FIRST NAMED INVENTOR

Michelle M. Hanna
INT'L APPL. FILING DATE:

April 29, 2004

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To be assigned

U.S. PATENT DOCUMENTS DOCUMENT EXAMINER INITIAL NUMBER DATE NAME **CLASS** SUB-CLASS **FILING DATE AA17 AB17** AC17 AD17 AE17 **AF17** AG17 AH17 Al17 AJ17 AK17 **FOREIGN PATENT DOCUMENTS EXAMINER** DOCUMENT INITIAL NUMBER DATE COUNTRY CLASS SUB-CLASS **TRANSLATION** Yes AL17 No Yes AM17 No Yes **AN17** No Yes AO17 No Yes **AP17** No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Meinkoth, J., and Wahl, G., "Hybridization of Nucleic Acids Immobilized on Solid Supports," Anal. AR 17 Biochem. 138:267-284, Academic Press, Inc. (1984) Nowell, P.C., "The Clonal Evolution of Tumor Cell Populations," Science 194:23-28, American AS <u>17</u> Association for the Advancement of Science (1976) Palmisano, W.A., et al., "Predicting Lung Cancer by Detecting Aberrant Promoter Methylation in AT <u>17</u> Sputum," Cancer Res. 60:5954-5958, American Association for Cancer Research (November 2000) **EXAMINER** DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 2072.0010009/MAC/SJE

APPLICATION NO.
To be assigned (National Phase of PUT Us 2004) (Spirit)

FIRST NAMED INVENTOR

Michelle M. Hanna

INT'L APPL. FILING DATE: April 29, 2004

ART UNIT To be assigned

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	AR	<u>18</u>	Radlowski,	M., and Job, [D., "Effect of disulfide and	sulfhydryl reagents	on abortive and			
	AS	<u>18</u>	Rice, J.C., decreased (1998)	Rice, J.C., et al., "Aberrant methylation of the BRCA1 CpG island promoter is associated wit decreased BRCA1 mRNA in sporadic breast cancer cells," <i>Oncogene 17</i> :1807-1812, Stockte (1998)						
	АТ	<u>18</u>		K.D., "DNA m Group (May 20	ethylation, methyltransfer 001)	ases, and cancer," C	Oncogene 20:31	39-3155, Nature		
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

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INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 2072.0010009/MAC/SJE APPLICATION NO.

To be assigned by the part of PC 1002004104 (2014)

FIRST NAMED INVENTOR

Michelle M. Hanna

INT'L APPL. FILING DATE: April 29, 2004 ART UNIT
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	AR	<u>19</u>	Tlsty, T.D., et al., "Differences in the rates of gene amplification in nontumorigenic and tumorigenic lines as measured by Luria-Delbrück fluctuation analysis," Proc. Natl. Acad. Sci. USA 86:9441-944 National Academy of Sciences (1989)							
	AS Toyota, M., and Issa, JP.J., "CpG island methylator phenotypes in aging and cancer," So Biol. 9:349-357, Academic Press (1999)									
	AT	<u>19</u>	Toyota, M. 21:329-333	, and Issa, JF 3, Wiley-VCH \	P.J., "The role of DNA hypo /erlag GmbH (January 200	ermethylation in hur 00)	nan neoplasia,"	Electrophoresis		
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 2072.0010009/MAC/SJE

Page 20 of 21
APPLICATION NO.
To be assigned (National Phase of PCT/J/S2/04/01/e08/1)

FIRST NAMED INVENTOR Michelle M. Hanna

INT'L APPL. FILING DATE: April 29, 2004

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	AR	<u>20</u>	Vogelstein, B., and Kinzler, K.W., "The multistep nature of cancer," <i>Trends Genet.</i> 9:138-141, Elsevier Science Publishers Ltd. (1993)							
	AS	20	Wang, JY., et al., "Monovalent cations differ in their effects on transcription initiation from a σ-70 promoter of <i>Escherichia coli</i> , " Gene 196:95-98, Elsevier Science B.V. (1997)							
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INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 2072.00.10009/MAC/SJE APPLICATION NO.

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FIRST NAMED INVENTOR

Michelle M. Hanna

INT'L APPL. FILING DATE: April 29, 2004 ART UNIT
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	AR	<u>21</u>		Cheung et al., "A Resource of Mapped Human Bacterial Artificial Chromosome Clones," Genome Research 9:983-993, Cold Spring Laboratory Press (1999).							
	AS	<u>21</u>	Sasaki et a polymeras	Sasaki et al., "Transcriptional sequencing: A method for DNA sequencing using RNA polymerase" <i>Proc. Nat'l Acad. Sci. USA</i> 95:3455-3460 (1998).							
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